

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Andrew C. Gallagher, et al

METHOD AND SYSTEM FOR
IMPROVING AN IMAGE
CHARACTERISTIC BASED ON
IMAGE CONTENT

Serial No.: To Be Assigned

Filed: 07 December 2001

Commissioner for Patents
Washington, D.C. 20231

Group Art Unit:

Examiner:

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Date

JC760 U.S. PRO
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12/07/01

Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. Unless otherwise indicated, a full text copy of each document is attached. For documents not in English, an English translation or an equivalent English language patent or publication is attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement is submitted according to the following selected paragraph:

- I. This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the first Office action on the merits or before mailing of a first Office action after the filing of a request for continued examination.
- II. This Statement is being filed under §1.97(c), with fee, prior to either a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Statement is enclosed.

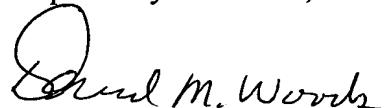
III. This Statement is being filed under §1.97(c), with a statement under, §1.97(e) prior to either a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

- each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification statement under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

IV. This Statement is being filed under §1.97(d), with fee and statement under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Statement is enclosed. The undersigned hereby states that (check one):

- each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification Statement under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



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Enclosures

| FORM PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | Atty. Docket No. 83427DMW Customer No. 01333 | Serial No.  | | | |
|--|--|---|---|-------|----------|-------------------------------|
| If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee | | Applicant: Andrew C. Gallagher, et al | | | | |
| LIST OF ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i> | | Filing Date 07 December 2001 | Group | | | |
| U.S. PATENT DOCUMENTS | | | | | | |
| Examiner Initial* | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | USSN 09/450,190 | | Jiebo Luo et al. | | | 11/29/99 |
| | USSN 09/904,366 | | Michael W. Dupin et al. | | | 7/12/01 |
| | 4,203,671 | 5/20/80 | Koji Takahashi et al. | 356 | 402 | 6/22/77 |
| | 5,682,443 | 10/28/97 | Martin P. Gouch et al. | 382 | 254 | 3/21/94 |
| | 5,781,276 | 7/14/98 | Wolfgang Zahn et al. | 355 | 41 | 2/13/97 |
| | 5,710,833 | 1/20/98 | Baback Moghaddam et al. | 382 | 228 | 4/20/95 |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| Examiner Initial* | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| | "Finding Naked People" by Margaret M. Fleck, David A. Forsyth, and Chris Begler. Proceedings of the European Conference on Computer Vision, Vol. 2, 1996, pp. 592-602. | | | | | |
| | "Face Detection in Still Gray Images" by Bernd Heisele, Tomaso Poggio, Massimiliano Pontil. MIT Artificial Intelligence Lab, Memo 1687, May 2000. | | | | | |
| | "Digital Image Smoothing and the Sigma Filter" by Jong-Sen Lee. Computer Vision, Graphics, and Image Processing, 24, pp. 255-269, 1983. | | | | | |
| | "Fundamentals of Digital Image Processing" by A.K. Jain, Prentice-Hall, 1989, pp. 249-251. | | | | | |
| | "Adaptive Skin-Color Filter" by Jyung-Min Cho, Jeong-Hun Jang, Ki-Sang Hong. Pattern Recognition, 34 (2001), pp. 1067-1073. | | | | | |
| EXAMINER | | | DATE CONSIDERED | | | |
| <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> | | | | | | |